

**Abstract**

The invention relates to a process for preparing a support for catalysts, which comprises:

- a) preparing a hydrogel;
- 5 b) milling the hydrogel to give a finely particulate hydrogel;
- c) producing a slurry based on the finely particulate hydrogel;
- d) drying the slurry comprising the finely particulate hydrogel to give the support for catalysts,

wherein a finely particulate hydrogel in which

- 10 - at least 5% by volume of the particles, based on the total volume of the particles, have a particle size in the range from  $> 0 \mu\text{m}$  to  $\leq 3 \mu\text{m}$ ; and/or
- at least 40% by volume of the particles, based on the total volume of the particles, have a particle size in the range from  $> 0 \mu\text{m}$  to  $\leq 12 \mu\text{m}$ , and/or
- at least 75% by volume of the particles, based on the total volume of the particles, have a particle size in the range from  $> 0 \mu\text{m}$  to  $\leq 35 \mu\text{m}$ ,

15 is produced in step b).